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*Claims*

What is claimed is:

1. An infant support structure, comprising:
  - a base;
  - a frame coupled to the base, said frame including a first frame portion and a second frame portion;
  - a seat coupled to the frame for movement relative to the base, the first frame portion being releasably coupled to said seat; and
  - a sensor configured to output a signal associated with a movement of said seat; and
  - an output generating system coupled to said motion sensor and configured to generate a sensible based on the signal.
2. The infant support structure of claim 1, wherein said frame is configured to be convertible between a first, deployed configuration and a second, collapsed configuration
3. The infant support structure of claim 1, wherein the first frame portion includes a resilient element at least partially supporting said seat.
4. The infant support structure of claim 2, wherein said sensor is coupled to the first frame portion and is configured to detect the movement of said seat in the first deployed position.
5. The infant support structure of claim 2, wherein the second frame portion is pivotably coupled to said base and pivotably coupled to said seat.
6. The infant support structure of claim 1, wherein said sensor is configured to detect the movement of said seat relative to said frame.
7. The infant support structure of claim 1, wherein said sensor is configured to detect the movement of said seat relative to said base.

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8. The infant support structure of claim 1, wherein said sensor is configured to detect an acceleration applied to at least a portion of said infant support structure.
9. The infant support structure of claim 1, wherein said output generating system is configured to output at least one of a sound, light, or mechanical motion.
10. The infant support structure of claim 1, wherein said output generating system is an electronic system, the electronic system including a predetermined output routine.
11. The infant support structure of claim 1, wherein said output generating system is configured to output a first predetermined routine associated with a magnitude of the movement of said seat, and a second predetermined routine associated with at least one of the magnitude and a frequency of the movement of said seat.
12. The infant support structure of claim 1, wherein the first frame portion is pivotably coupled to said base.
13. The infant support structure of claim 1, the movement being a first movement, wherein the sensor is configured to output a signal associated with a second movement of said seat and said output generating system is configured to generate a sensible output based on the signal associated with the second movement, the sensible output associated with the second movement being different from the sensible output associated with the first movement.
14. A frame, comprising:
  - a base;
  - a front support pivotably coupled to said base;
  - a rear support pivotably coupled to said base; and
  - an infant support, said infant support being releasably coupled to said front support and pivotably coupled to said rear support.

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15. The frame of claim 14, wherein the frame is configured to be in an extended configuration when said front support is coupled to said infant support, and the frame is configured to be in a collapsed configuration when the front support is not coupled to said infant support.

16. The frame of claim 14, further comprising an output generating system, said output generating system including a motion sensor configured to output a signal associated with a movement of said infant support, said output generating system configured to generate sensible output based on the signal.

17. The frame of claim 14, wherein said base includes first and second lateral frame members and a resilient sheet coupled to and stretched between said lateral frame members below said infant support.

18. The frame of claim 17, wherein said front support includes a resilient portion, said front support being configured to fold to a position adjacent said base and under said infant support, said infant support being configured to fold to a position substantially adjacent said base and said first support.

19. A frame, comprising:

a base;

a front support including a first end and a second end, the first end being to said base, said front support being axially adjustable in length between a first, extended configuration and a second, collapsed configuration, and including a biasing member disposed to bias the front support toward the extended configuration;

a rear support coupled to said base;

an infant support coupled to said rear support and coupled to the second end of said front support; and

an output generating system operable to generate sensible output and including a sensor operable to detect a change in the length of said front support.

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20. The frame of claim 19, wherein the sensor is coupled to said front support.
21. The frame of claim 19, wherein said output generating system is configured to output at least one of a sound, light, or mechanical motion.
22. The frame of claim 21, wherein said output generating system is an electronic system, the electronic system including a predetermined output routine.
23. The frame of claim 19, wherein the first end of said front support is pivotably coupled to said base, said rear support is pivotably coupled to said base, and said infant support is pivotably coupled to said rear support
24. The frame of claim 23, wherein the frame is configured to be in an extended configuration when said front support is coupled to said infant support, and the frame is configured to be in a collapsed configuration when said front support is not coupled to said infant support.